

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : SHARP CORP

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(72)Inventor : MARUYAMA HIROKO  
NARUTAKI YOZO

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## (54) LIQUID CRYSTAL DISPLAY DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To keep excellent display quality under various environments from a bright place to a dark place and to reduce power consumption.

**SOLUTION:** A backlight unit 11 provided with a diffusion plate 5, a light guide plate 4, a white reflection plate 3 and an edge light system cold cathode tube 1 is arranged on a back surface side of a guest host liquid crystal display panel 10. It is used as a transmission type liquid crystal display device by turning the edge light system cold cathode tube 1 on in the dark place. It is used as a reflection type liquid crystal display device by reflecting peripheral light with the white reflection plate 3 without turning the edge light system cold cathode tube 1 on in the bright place.

